



**AMPHORA AROMATICS
LIMITED**

essential oils, skincare & aromatherapy products

SAFETY DATA SHEET

1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

PRODUCT NAME: Bay Oil

SUPPLIER: Amphora Aromatics Ltd, 36 Cotham Hill, Cotham, Bristol BS6 6LA
Telephone +44 (0)117-9087770.

PRODUCT NUMBER: 3

CHEMICAL NAME: Laurus nobilis Oil

IDENTIFIED USES: Concentrated material for manufacturing purposes only

2: HAZARDS IDENTIFICATION

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

CAS No: 8002-41-3

EC No: 283-272-5

CLASSIFICATION (EC 1272/2008):

- | | |
|-------------------------|--------------------------|
| - Physical hazards | Flam. Liq. 3 - H226 |
| - Health hazards | Skin Irrit. 2 - H315 |
| | Eye Irrit. 2 - H319 |
| | Skin Sens. 1 - H317 |
| | Muta. 2 - H341 |
| | Carc. 2 - H351 |
| | Asp. Tox. 1 - H304 |
| - Environmental hazards | Aquatic Chronic 2 - H411 |

LABEL ELEMENTS PICTOGRAM



SIGNAL WORD

DANGER

HAZARD STATEMENTS

H226 Flammable liquid and vapour.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H317 May cause an allergic skin reaction
H341 Suspected of causing genetic defects.
H351 Suspected of causing cancer.
H304 May be fatal if swallowed and enters airways.
H411 Toxic to aquatic life with long lasting effects.



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PRECAUTIONARY STATEMENTS	P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor. P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P405 Store locked up. P501 Dispose of contents/container in accordance with local/regional/national/international regulation
CONTAINS	EUCALYPTOL, METHYL EUGENOL, ALPHA PINENE, D-LIMONENE

3: COMPOSITION/INFORMATION ON INGREDIENTS

EUCALYPTOL	50-100%
CAS NUMBER: 470-82-6	EC NUMBER: 207-431-5
CLASSIFICATION	Flam. Liq. 3 - H226 Skin Sens. 1B - H317
LINALOOL	10-25%
CAS NUMBER: 78-70-6	EC NUMBER: 201-134-4
CLASSIFICATION	Skin Irrit. 2 - H315 Eye Irrit. 2 - H319
ALPHA PINENE	2.5-10%
CAS NUMBER: 80-56-8	EC NUMBER: 201-291-9
CLASSIFICATION	Flam. Liq. 3, H226 Asp. Tox. 1, H304 Skin Irrit. 2, H315 Skin Sens. 1, H317
D-LIMONENE	2.5-10%
CAS NUMBER: 5989-27-5	EC NUMBER: 227-813-5
CLASSIFICATION	Flam. Liq. 3, H226 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 Skin Irrit. 2, H315 Skin Sens. 1, H317
GAMMA TERPINENE	≤2.5%
CAS NUMBER: 99-85-4	EC NUMBER: 202-794-6
CLASSIFICATION	Flam. Liq. 3 - H226 Asp. Tox. 1 - H304



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BETA-PINENES	≤2.5%
CAS NUMBER: 127-91-3	EC NUMBER: 204-872-5
M FACTOR (ACUTE) = 1	M FACTOR (CHRONIC) = 1
CLASSIFICATION	Flam. Liq. 3 - H226 Skin Irrit. 2 - H315 Skin Sens. 1B - H317 Asp. Tox. 1 - H304 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410
PARA-CYMENE	≤2.5%
CAS NUMBER: 99-87-6	EC NUMBER: 202-796-7
CLASSIFICATION	Flam Liq. 3 H226 Asp Tox. 1 H304 Aquatic Chronic 2 H411
METHYL EUGENOL	≤2.5%
CAS NUMBER: 93-15-2	EC NUMBER: 202-223-0
CLASSIFICATION	Muta. 2, H341 Carc. 2, H351 Acute Tox. 4, H302
EUGENOL	≤2.5%
CAS NUMBER: 97-53-0	EC NUMBER: 202-589-1
CLASSIFICATION	Eye Irrit. 2 - H319 Skin Sens. 1A - H317
TERPINOLENE	≤2.5%
CAS NUMBER: 586-62-9	EC NUMBER: 209-578-0
M FACTOR (CHRONIC) = 1	
CLASSIFICATION	Skin Sens. 1 - H317 Asp. Tox. 1 - H304 Aquatic Chronic 1 - H410
CAMPHENE	≤2.5%
CAS NUMBER: 79-92-5	EC NUMBER: 201-234-8
M FACTOR (ACUTE) = 1	
CLASSIFICATION	Flam. Liq. 3 - H226 Eye Irrit. 2 - H319 Asp. Tox. 1 - H304 Aquatic Acute 1 - H400 Aquatic Chronic 2 - H411

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.



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4: FIRST AID MEASURES

INHALATION	Supply fresh air and to be sure call for a doctor. In case of unconsciousness place patient stably in side position for transportation. Supply fresh air.
INGESTION	Inform doctor. Do not give milk or fatty oils.
SKIN CONTACT	Immediately wash with water and soap and rinse thoroughly. Immediately rinse with water. If skin irritation continues, consult a doctor.
EYE CONTACT	Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
GENERAL INFORMATION	Immediately remove any clothing soiled by the product.
NOTES FOR THE DOCTOR	No specific recommendations

5: FIREFIGHTING MEASURES

EXTINGUISHING MEDIA RECOMMENDED:	Use CO ₂ , Dry powder or Foam type Extinguishers, praying extinguishing media to base of flames. Do not use direct water jet on burning material.
SPECIAL MEASURES:	Avoid vapour inhalation. Keep away from sources of ignition. Do not smoke. Wear positive pressure self-contained breathing apparatus & protective clothing.
EXTINGUISHING PROCEDURES:	Closed containers may build up pressure when exposed to heat and should be cooled with water spray.

6: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS:	Avoid inhalation & direct contact with skin & eyes. Use individual protective equipment (safety glasses, waterproof-boots, suitable protective clothing) in case of major spillages. No smoking, sparks, flames or other sources of ignition near spillage.
ENVIRONMENT PRECAUTIONS:	Do not allow product to reach sewage system or any water course. Prevent seepage into sewage system, work pits and cellars. Inform respective authorities in case of seepage into water course or sewage system. Do not allow to enter sewers/surface or ground water.
CLEANING UP METHODS FOR SPILLAGES:	Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose contaminated material as waste according to item 13. Ensure adequate ventilation.
REFERENCE TO OTHER SECTIONS:	See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment. See Section 13 for disposal information.



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7: HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING:

Ensure good ventilation/exhaustion at the workplace. Open and handle receptacle with care. Prevent formation of aerosols.

INFORMATION ABOUT FIRE AND EXPLOSION PROTECTION:

Keep ignition sources away – Do not smoke. Protect against electrostatic charges. Keep respiratory protective device available.

STORAGE PRECAUTIONS:

Store only in unopened original receptacles. Keep receptacle tightly sealed. Store in the dark.

8: EXPOSURE CONTROLS/PERSONAL PROTECTION

PROTECTIVE EQUIPMENT



APPROPRIATE ENGINEERING CONTROLS
EYE/FACE PROTECTION

Provide adequate ventilation.

HAND PROTECTION

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Chemical splash goggles or face shield. Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible.

OTHER SKIN AND BODY PROTECTION

Wear appropriate clothing to prevent any possibility of skin contact. Wear apron or protective clothing in case of contact.

HYGIENE MEASURES

Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Store protective clothing separately. Avoid contact with the eyes and skin.

RESPIRATORY PROTECTION

No specific recommendations. Respiratory protection may be required if excessive airborne contamination occurs.

ENVIRONMENTAL EXPOSURE CONTROLS

Residues and empty containers should be taken care of as hazardous waste according to local and national provisions.

9: PHYSICAL AND CHEMICAL PROPERTIES

COLOUR:

Colourless to Pale Yellow

APPEARANCE:

Liquid.

ODOUR:

Characteristic.

FLASH POINT °C:

50

SPECIFIC GRAVITY @20 °C:

0.900 – 0.985

REFRACTIVE INDEX @20 °C:

1.400 – 1.520

SOLUBILITY IN/MISCIBILITY WITH WATER:

Not miscible or difficult to mix.

DANGER OF EXPLOSION:

Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

SELF-IGNITING:

Product is not self-igniting.

SDS: 3 Bay Essential Oil

Compiled by: Johndan Chilcott, Regulatory Affairs Officer - Approved by Woody Evans, Director – Date: 14/05/2019 - Version: 3



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10: STABILITY AND REACTIVITY

REACTIVITY:	It presents no significant reactivity hazards, by itself or in contact with water. Avoid contact with strong acids, alkali or oxidising agents.
DECOMPOSITION:	Liable to cause smoke & acrid fumes during combustion: carbon monoxide, carbon dioxide & other non-identified organic compounds may be formed.

11: TOXICOLOGICAL INFORMATION

ACUTE TOXICITY:	Based on available data, the classification criteria are not met.
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LD/LC50 VALUES RELEVANT FOR CLASSIFICATION

80-26-2 TERPENYL ACETATE

ORAL – LD5-	5000mg/kg (rat)
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SKIN CONTACT	Causes skin irritation.
RESPIRATORY OR SKIN SENSITISATION	May cause an allergic skin reaction.
EYE CONTACT	Causes serious eye irritation.
ASPIRATION HAZARD	May be fatal if swallowed and enters airways.
GERM CELL MUTAGENICITY	Suspected of causing genetic defects.
CARCINOGENICITY	Suspected of causing cancer.
REPRODUCTIVE TOXICITY	Based on available data, the classification criteria are not met.
STOT-SINGLE EXPOSURE	Based on available data, the classification criteria are not met.
STOT-REPEATED EXPOSURE	Based on available data, the classification criteria are not met.

12: ECOLOGICAL INFORMATION

ECOTOXICITY	Very toxic to aquatic life with long lasting effects. Toxic for fish. Do not allow product to reach ground water, water course or sewage system, even in small quantities. Also poisonous for fish and plankton in water bodies.
PERSISTENCE AND DEGRADABILITY	No further relevant information available.
BIOACCUMULATIVE POTENTIAL	No further relevant information available.
MOBILITY IN SOIL	No further relevant information available.
RESULTS OF PBT AND vPvB ASSESSMENT	This product does not contain any substances classified as PBT or vPvB.

13: DISPOSAL CONSIDERATIONS



WASTE TREATMENT METHODS	Must not be disposed together with household garbage. Do not allow product to reach sewage system.
UNCLEANED PACKAGING	Disposal must be made according to official regulations.



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14: TRANSPORT INFORMATION

UN NUMBER ADR, IMDG, IATA:	UN1993	
UN PROPER SHIPPING NAME		
- ADR	1993 FLAMMABLE LIQUID, N.O.S. (not viscous) (Eucalyptol, Alpha Pinene)	
- IMDG	FLAMMABLE LIQUID, N.O.S. (Eucalyptol, Alpha Pinene), MARINE POLLUTANT	
- IATA	Flammable liquid, n.o.s. (Eucalyptol, Alpha-Pinene)	
TRANSPORT HAZARD CLASS		
- ADR	3 (F1) Flammable Liquids	
- IMDG	3 Flammable Liquids	
- IATA	3 Flammable Liquids	
PACKING GROUP ADR, IMDG, IATA	III	
ENVIRONMENTALLY HAZARDOUS SUBSTANCE/MARINE POLLUTANT	Product contains environmentally hazardous substances: Alpha Pinene, d-limonene.	
SPECIAL PRECAUTIONS FOR USER:		
- DANGER CODE:	30	
- EMS	F-E, S-D	
- STOWAGE CATEGORY	A	
TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL73/78 AND THE IBC CODE	Not applicable	
TRANSPORT/ ADDITIONAL INFORMATION		
- <u>ADR</u>		
- LIMITED QUANTITIES (LQ)	5L	
- EXCEPTED QUANTITIES (EQ)	Code: E1 Maximum net quantity per inner packaging: 30ml. Maximum net quantity per outer packaging: 1000ml	
- TRANSPORT CATEGORY	3	
- TUNNEL RESTRICTION CODE	D/E	
- <u>IMDG</u>		
- LIMITED QUANTITIES (LQ)	5L	
- EXCEPTED QUANTITIES (EQ)	Code: E1 Maximum net quantity per inner packaging: 30ml. Maximum net quantity per outer packaging: 1000ml	
UN "MODEL REGULATION"	UN1993 FLAMMABLE LIQUID, N.O.S. (NOT VISCOUS) (EUCALYPTOL, ALPHA PINENE), 3, III	



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15: REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture

DIRECTIVE 2012/18/EU

- | | |
|--|--|
| - NAMED DANGEROUS SUBSTANCES | ANNEX I – None of the ingredients is listed. |
| - SEVESO CATEGORY | E2 – Hazardous to the Aquatic Environment.
P5c FLAMMABLE LIQUIDS. |
| - QUALIFYING QUANTITY (TONNES)
FOR THE APPLICATION OF LOWER-
TIER REQUIREMENTS | 200 t |
| - QUALIFYING QUANTITY (TONNES)
FOR THE APPLICATION OF UPPER-
TIER REQUIREMENTS | 500 t |

16: OTHER INFORMATION

HAZARD STATEMENT IN FULL

H226 Flammable liquid and vapour.
H228 Flammable solid.
H302 Harmful if swallowed.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation
H317 May cause an allergic skin reaction
H319 Causes serious eye irritation.
H341 Suspected of causing genetic defects
H351 Suspected of causing cancer.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects
H411 Toxic to aquatic life with long lasting effects.

Abbreviations and Acronyms:

ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road.
IMDG - International Maritime Code for Dangerous Goods.
IATA - International Air Transport Association.
GHS - Globally Harmonised System of Classification and Labelling of Chemicals.
EINECS - European Inventory of Existing Commercial Chemical Substances
ELINCS - European List of Notified Chemical Substances.
CAS - Chemical Abstracts Service (Division of the American Chemical Society).
LC50 - Lethal concentration, 50 percent.
LD50 - Lethal dose, 50 percent.
PBT - Persistent, Bioaccumulative and Toxic.
vPvB - Very Persistent and very Bioaccumulative.
Flam. Liq. 3 - Flammable liquids – Hazard Category 3.
Flam. Sol. 1 - Flammable solids – Hazard Category 1.
Acute Tox. 4 - Acute toxicity – Hazard Category 4.



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Skin Irrit. 2 - Skin corrosion/irritation – Hazard Category 2.
Eye Irrit. 2 - Serious eye damage/eye irritation – Hazard Category 2.
Skin Sens. 1 - Skin sensitisation – Hazard Category 1.
Skin Sens. 1B - Skin sensitisation – Hazard Category 1B.
Muta. 2 - Germ cell mutagenicity – Hazard Category 2.
Carc. 2 - Carcinogenicity – Hazard Category 2.
Asp. Tox. 1 - Aspiration hazard – Hazard Category 1.
Aquatic Acute 1 - Hazardous to the aquatic environment – Acute Hazard – Category 1.
Aquatic Chronic 1 - Hazardous to the aquatic environment – Chronic Hazard – Category 1.
Aquatic Chronic 2 - Hazardous to the aquatic environment – Chronic Hazard – Category 2.

SHELF-LIFE

Min 12 months when stored within advised conditions.

Q.C. REQUIREMENTS.

In-line with general product specification. Always satisfy suitability for specific application.

Retest after 6 months.

The data provided in this material safety data sheet is meant to represent typical data/analysis for this product and is correct to the best of our knowledge. The data was obtained from current and reliable sources, but is supplied without warranty, expressed or implied, regarding its' correctness or accuracy. It is the user's responsibility to determine safe conditions for the use of this product, and to assume liability for loss, injury, damage or expense arising from improper use of this product. The information provided does not constitute a contract to supply to any specification, or for any given application, and buyers should seek to verify their requirements and product use.